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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 9

Complete If Known

Application Number	10/670,065
Filing Date	9/24/2003
First Named Inventor	Markovitz et al.
Art Unit	1641
Examiner Name	Cook
Attorney Docket Number	UM-08388

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
L/C	1	WO 98/39298	09/03/1998	Sharon	whole document	
L/C	2	WO 05/012872 A2	02/10/2005	Isreal	whole document	
L/C	3	DT 1810423				

**Examiner
Signature**

Alex. L Cook

Date
Considered

12/11/07

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Sheet	2	of	9	Attorney Docket Number	UM-08388

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
L/C	3	Traub, P. Intermediate Filaments A Review, (Springer-Verlag, New York, Tokyo, 1985).	
	4	Fuchs, E. & Weber, K. Intermediate filaments: structure, dynamics, function, and disease. Annu Rev Biochem 63, 345-82 (1994).	
	5	Christian, J.L., Edelstein, N.G. & Moon, R.T. Overexpression of wild-type and dominant negative mutant vimentin subunits in developing Xenopus embryos. New Biol 2, 700-11. (1990).	
	6	Colucci-Guyon, E. et al. Mice lacking vimentin develop and reproduce without an obvious phenotype. Cell 79, 679-94. (1994).	
	7	Eckes, B. et al. Impaired mechanical stability, migration and contractile capacity in vimentin-deficient fibroblasts. J Cell Sci 111, 1897-907 (1998).	
	8	Galou, M. et al. Disrupted glial fibrillary acidic protein network in astrocytes from vimentin knockout mice. J Cell Biol 133, 853-63. (1996).	
	9	Eckes, B. et al. Impaired wound healing in embryonic and adult mice lacking vimentin. J Cell Sci 113, 2455-62 (2000).	
	10	Cain, H., Kraus, B., Krauspe, R., Osborn, M. & Weber, K. Vimentin filaments in peritoneal macrophages at various stages of differentiation and with altered function. Virchows Arch B Cell Pathol Incl Mol Pathol 42, 65-81 (1983).	
	11	Rius, C., Cabanas, C. & Aller, P. The induction of vimentin gene expression by sodium butyrate in human promonocytic leukemia U937 cells. Exp Cell Res 188, 129-34 (1990).	
L/C	12	Rius, C. & Aller, P. Vimentin expression as a late event in the in vitro differentiation of human promonocytic cells. J Cell Sci 101, 395-401 (1992).	

Examiner Signature	<i>Lisa Cook</i>	Date Considered	12/11/07
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Application Number 10/670,065

Filing Date 9/24/2003

First Named Inventor Markovitz et al.

Art Unit 1641

Examiner Name Cook

Sheet 3 of 8

Attorney Docket Number UM-08388

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
L/C	13	Reddy, V.Y., Zhang, Q.Y. & Weiss, S.J. Pericellular mobilization of the tissue-destructive cysteine proteinases, cathepsins B, L, and S, by human monocyte-derived macrophages. Proc Natl Acad Sci U S A 92, 3849-53 (1995).	
	14	Punturieri, A. et al. Regulation of Elastolytic Cysteine Proteinase Activity in Normal and Cathepsin K-deficient Human Macrophages. J Exp Med 192, 789-800 (2000).	
	15	Cain, H., Krauspe, R. & Kraus, B. The cytoskeleton in activated and in functionally disordered cells of the macrophage system. Pathol Res Pract 175, 162-79 (1982).	
	16	Gao, Y. & Sztul, E. A novel interaction of the Golgi complex with the vimentin intermediate filament cytoskeleton. J Cell Biol 152, 877-94. (2001).	
	17	Traub, P. Large scale isolation, purification, and partial characterization of the intermediate filament-specific, Ca ²⁺ -activated proteinase from porcine kidney and Ehrlich ascites tumor cells: a comparative study. Arch Biochem Biophys 228, 120-32. (1984).	
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	19	Yoshida, H., Murachi, T. & Tsukahara, I. Degradation of actin and vimentin by calpain II, a Ca ²⁺ -dependent cysteine proteinase, in bovine lens. FEBS Lett 170, 259-62. (1984).	
	20	Perides, G., Kuhn, S., Scherbarth, A. & Traub, P. Probing of the structural stability of vimentin and desmin-type intermediate filaments with Ca ²⁺ -activated proteinase, thrombin and lysine-specific endoproteinase Lys-C. Eur J Cell Biol 43, 450-8. (1987)	
	21	Tozser, J. et al. Effect of serine and tyrosine phosphorylation on retroviral proteinase substrates. Eur J Biochem 265, 423-9. (1999).	
L/C	22	Ben-Ze'ev, A., Babiss, L.E. & Fisher, P.B. Cleavage of vimentin in dense cell cultures. Inhibition upon transformation by type 5 adenovirus. Exp Cell Res 166, 47-62. (1986).	

Examiner Signature	<i>Olivia K Cook</i>	Date Considered	12/11/07
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		Art Unit	1641		
		Examiner Name	Cook		
Sheet	4	of	9	Attorney Docket Number	UM-08388

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L/C	23	Belin, M.T. & Boulanger, P. Processing of vimentin occurs during the early stages of adenovirus infection. J Virol 61, 2559-66. (1987).	
	24	Cheng, T.J. & Lai, Y.K. Identification of mitogen-activated protein kinase-activated protein kinase-2 as a vimentin kinase activated by okadaic acid in 9L rat brain tumor cells. J Cell Biochem 71, 169-81. (1998).	
	25	Turowski, P., Myles, T., Hemmings, B.A., Fernandez, A. & Lamb, N.J. Vimentin dephosphorylation by protein phosphatase 2A is modulated by the targeting subunit B55. Mol Biol Cell 10, 1997-2015 (1999).	
	26	Yasui, Y. et al. Protein kinases required for segregation of vimentin filaments in mitotic process. Oncogene 20, 2868-76. (2001).	
	27	Lo, C.-J., Fu, M. & Cryer, H.G. Interleukin 10 Inhibits Alveolar Macrophage Production of Inflammatory Mediators Involved in Adult Respiratory Distress Syndrome. Journal of Surgical Research 79, 179-184 (1998).	
	28	Bhattacharyya, S., Ghosh, S., Jhonson, P.L., Bhattacharya, S.K. & Majumdar, S. Immunomodulatory Role of Interleukin-10 in Visceral Leishmaniasis: Defective Activation of Protein Kinase C-Mediated Signal Transduction Events. Infect. Immun. 69, 1499-1507 (2001).	
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	30	Schlosser-Silverman, E., Elgrably-Weiss, M., Rosenshine, I., Kohen, R. & Altuvia, S. Characterization of Escherichia coli DNA lesions generated within J774 macrophages. J Bacteriol 182, 5225-30 (2000).	
	31	Klymkowsky, M.W., Bachant, J.B. & Domingo, A. Functions of intermediate filaments. Cell Motil Cytoskeleton 14, 309-31 (1989).	
L/C	32	Lehto, V.P., Hovi, T., Vartio, T., Badley, R.A. & Virtanen, I. Reorganization of cytoskeletal and contractile elements during transition of human monocytes into adherent macrophages. Lab Invest 47, 391-9 (1982).	

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LVC	33	Owen, P.J., Johnson, G.D. & Lord, J.M. Protein kinase C-delta associates with vimentin intermediate filaments in differentiated HL60 cells. Exp Cell Res 225, 366-73 (1996).	
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	35	Szalay, J. et al. Associations of PKC isoforms with the cytoskeleton of B16F10 melanoma cells. J Histochem Cytochem 49, 49-66. (2001).	
	36	Shoeman, R.L. et al. Human immunodeficiency virus type 1 protease cleaves the intermediate filament proteins vimentin, desmin, and glial fibrillary acidic protein. Proc Natl Acad Sci U S A 87, 6336-40. (1990).	
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	40	Senecal, J.L. & Rauch, J. Hybridoma lupus autoantibodies can bind major cytoskeletal filaments in the absence of DNA-binding activity. Arthritis Rheum 31, 864-75 (1988).	
	41	Franch, A., Castellote, C., Vila, J.L., Vilario, S. & Castell, M. Anticytoskeletal autoantibody development in adjuvant arthritis. J Rheumatol 21, 489-97 (1994).	
LVC	42	Lane, B.R. et al. TNF-alpha inhibits HIV-1 replication in peripheral blood monocytes and alveolar macrophages by inducing the production of RANTES and decreasing C-C chemokine receptor 5 (CCR5) expression. J Immunol 163, 3653-61 (1999).	

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Art Unit 1641

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L/C	43	Terasaki, M. & Reese, T.S. Characterization of endoplasmic reticulum by co-localization of BiP and dicarbocyanine dyes. J Cell Sci 101, 315-22. (1992).	
	44	Matsukawa, A. et al. Pivotal role of the CC chemokine, macrophage-derived chemokine, in the innate immune response. J Immunol 164, 5362-8 (2000)	
	45	Cherry et al., Enzyme-Linked Fluorescent Detection For Automated Multiplex DNA Sequencing, Genomics 20, 68074 (1994)	
	46	Schmitt et al., Expression of Gene 1.2 and Gene 10 of Bacteriophage T7 Is Lethal to F Plasmid-Containing Escherichia coli, J of Bacteriology 173, 1536-1543 (1991)	
	47	Silaty et al., Accurate insertional inactivation of lacZa: construction of pTrueBlue and M13TrueBlue cloning vectors, Gene 213, 83-91 (1998)	
	48	Henrich et al., Use of the lysis gene of bacteriophage oX174 for the construction of a positive selection vector, Gene 42, 345-349 (1986)	
	49	Viera et al., The pUC plasmids, anM13mp7-derived system for insertion mutagenesis and sequencing with synthetic universal primers, Gene 19, 259-268 (1982)	
	50	Quandt et al., Versatile suicide vectors which allow direct selection for gene replacement in Gram-negative bacteria, Gene 127, 15-21 (1993)	
	51	Wiemann et al., Simultaneous On-Line DNA Sequencing on Both Strands with Two Fluorescent Dyes, Analytical Biochemistry 224, 117-121 (1995)	
L/C	52	Bernard et al., Positive-selection vectors using the F plasmid ccdB killer gene, Gene 148, 71-74 (1994)	

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		Art Unit	1641
		Examiner Name	Cook
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L/C	53	Dillard et al., Analysis of Streptococcus pneumoniae Sequences Cloned into Escherichia coli: Effect of Promoter Strength and Transcription Terminators, J of Bacteriology 173, 5105-5109 (1991)	
	54	Geider et al., A plasmid cloning system utilizing replication and packaging functions of the filamentous bacteriophage fd, Gene 33, 341-349 (1985)	
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	56	Reynolds et al., Parameters Affecting Transcription Termination by Escherichia coli RNA Polymerase, J Mol Biol 224, 31-51 (1992)	
	57	Hoffmann-Berling, Virology 22, 305-313 (1964)	
	58	Church et al., Multiplex DNA Sequencing, Science 240, 185-188 (1988)	
	59	Prober et al., A System for Rapid DNA Sequencing with Fluorescent Chain-Terminating Dideoxynucleotides, Science 238, 336-341 (1987)	
	60	Wiemann et al., "Doublex" Fluorescent DNA Sequencing: Two Independent Sequences Obtained Simultaneously in One Reaction with Internal Labeling and Unlabeled Primers, Analytical Biochemistry 234, 166-174 (1996)	
	61	Egholm et al., PNA hybridizes to complementary oligonucleotides obeying the Watson-Crick hydrogen-bonding rules, Nature 365, 566-568 (1993)	
L/C	62	Sanger et al., DNA sequencing with chain-terminating inhibitors, PNAS 74, 5463-5467 (1977)	

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L/C	63	Lipman et al., A tool for multiple sequence alignment, PNAS 86, 4412-4415 (1989)	
	64	Fitzgerald et al., Rapid shotgun cloning utilizing the two base recognition endonucleases CviJ1, Nucleic Acids Research 20, 3753-3762 (1992)	
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	66	Tabor et al., A single residue in DNA polymerases of the Escherichia coli DNA polymerase I family is critical for distinguishing between deoxy- and dideoxynucleotides, PNAS 92, 6339-6343 (1995)	
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Examiner Signature	<i>Olisa. J. Cook</i>	Date Considered	12/11/07
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STATEMENT BY APPLICANT**

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Complete if Known

Application Number 10/670,065

Filing Date 9/24/2003

First Named Inventor Markovitz et al.

Art Unit 1641

Examiner Name Cook

Attorney Docket Number UM-08388

Sheet 9

of 9

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
LVC	73	Podor et al., Vimentin Exposed on Activated Platelets and Platelet Microparticles Localizes Vitronectin and Plasminogen Activator Inhibitor Complexes on Their Surface, J. Biol Chem 277(9):7529 (2002)	
	74	Perides et al., Electrostatic and hydrophobic interactions of the intermediate filament protein vimentin and its amino terminus with lipid bilayers, J Biol Chem 262:13742-13749 (1987)	
	75	Nishimura et al., A di-acidic signal required for selective export from the endoplasmic reticulum, Science 277:556-559 (1997)	
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LVC	77	Hansson et al., Fc-mediated binding of IgG to vimentin-type intermediate filaments in vascular endothelial cells, PNAS USA 81:3103-3107 (1984)	

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